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TITLE: Method and apparatus for discriminating and off-sorting
currency by series

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Assignee Name - ASNM (1):
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Detailed Description Text - DETX (167):

For example, in an embodiment in which the discriminator automatically selects the target series and denomination, if the first note in the stack is a 1996-series \$100 bill, the machine will designate 1996-series \$100 bills as the target note and will deliver 1996-series \$100 bills into pocket 1 until encountering the first non-1996-series \$100 bill. The first non-1996-series \$100 bill, which may, for example, be a 1995-series \$5 bill, will then be off-sorted into pocket 2. According to one embodiment, the machine then continues to process notes, delivering 1996-series \$100 bills into pocket 1 and 1995-series \$5 bills into pocket 2, until encountering the next separate series condition (i.e., a bill other than a 1996-series \$100 or a 1995-series \$5). Thereafter, upon encountering the next separate series condition, such as a 1995-series \$10 bill, the 1995-series \$10 bills are **designated** as the new **target** 2 series and the system halts so that pocket 2 may be cleared. When the system resumes operation, the machine continues to process notes, delivering 1996-series \$100 bills into pocket 1 and 1995-series \$10 bills into pocket 2, until encountering the next separate series condition (i.e., a bill other than a 1996-series \$100 or a 1995-series \$10), and so on.

5-series \$10), and so on.

Detailed Description Text - DETX (171):

According to another embodiment, target notes are defined only by series or group of series regardless of denomination. According to one embodiment, notes having a target series (target 1) are delivered to pocket 1. Upon encountering a first separate series condition, the series of the first non-target 1 note is **designated as a target 2 series (target 2)**. Target 2 notes are then off-sorted into pocket 2 without causing the machine to stop. The machine continues to process notes, delivering target 1 notes to pocket 1 and target 2 notes to pocket 2, until the first note having a series other than target 1 series or target 2 series is encountered. At this point this third series note is **designated** as the "new" target 2 series and is directed toward pocket 2. According to one embodiment this third series note is delivered to pocket 2 and the machine is stopped with the display indicating a series change in pocket 2. The operator can then take the appropriate action such as removing all notes in pocket 2 (e.g., in an automatic restart configured set up) or remove all bills other than the third series bill and press a continuation key. The machine will then continue processing notes, continuing to deliver original target 1 notes to pocket 1 and delivering "new" target 2 notes to pocket 2, until encountering a bill having a series other than target 1 or the current target 2. At this point, a separate series condition occurs as described above and a new target 2 series is **designated**.

Detailed Description Text - DETX (174):

For example, in an embodiment in which the discriminator automatically selects the target series, if the first note in the stack is a 1996-series \$100 bill, the machine will designate 1996-series bills as the target series and will deliver all 1996-series bills into pocket 1 until encountering the first non-1996-series bill. The first non-1996-series bill, which may for example be a 1995-series \$5 bill, will then be off-sorted into pocket 2. According to one embodiment, the machine then continues to process notes, delivering 1996-series bills into pocket 1 and 1995-series bills into pocket 2, until encountering the next separate series condition (i.e., a bill other than a 1996-series or a 1995-series note). Thereafter, upon encountering the next separate series condition, such as a 1993-series \$20 bill, 1993-series bills are **designated** as